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TI **Mortar** and its use in coating heat insulating plates  
IN Zimmermann, Alfons  
PA Vereinigte Steinwerke G.m.b.H., Fed. Rep. Ger.  
SO Ger. Offen., 14 pp.  
CODEN: GWXXBX

DT Patent  
LA German  
IC C04B013-21  
CC 58-3 (Cement and Concrete Products)  
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	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 2703342	A1	19780803	DE 1977-2703342	19770127
	DE 2703342	B2	19790503		
	FR 2378728	A1	19780825	FR 1978-2206	19780126
	FR 2378728	B3	19801024		
	CH 635559	A	19830415	CH 1978-883	19780126
	BE 863390	A1	19780516	BE 1978-184684	19780127
	NL 7800989	A	19780731	NL 1978-989	19780127
PRAI	DE 1977-2703342	A	19770127		

CLASS

PATENT NO.	CLASS	PATENT FAMILY CLASSIFICATION CODES
DE 2703342	IC	C04B013-21
	IPCI	C04B0013-21; C04B0013-02; C04B0039-00; C04B0043-00
FR 2378728	IPCI	C04B0013-08
CH 635559	IPCI	C04B0013-21; C04B0039-00; C04B0043-00; B32B0013-00
BE 863390	IPCI	C04B
NL 7800989	IPCI	C04B0013-21; C04B0031-02

AB A **mortar** which is readily plastered or sprayed on solid foam thermal insulators consists of a filler 40-80, hydraulic bonding agent 15-40, cellulose derivative 0.1-5, and an alkali-stable synthetic resin 1-20 weight% containing a surfactant emulsifying protective colloid which by the action of Ca++ or Mg++ significantly loses its surfactant effectiveness. The slurried mixture may also contain 0.1-5 weight% artificial fibers as filler, suitable pigments, and 0.1-0.05 weight% Na lauryl sulfate and Zn stearate as pore-forming agents. Thus, a dry mixture of 1-2.5 mm sand, gravel, or stone granulate 350, 0.5-1 mm quartz sand 225.9, 0.2-0.5 mm quartz sand 100, white Portland cement 200, slaked lime 60, 0-1mm perlite 10, powdered Me cellulose 1, Na or Zn stearate 2.5, 2 mm polyacrylonitrile fibers 0.3, 0.8 mm polyethylene fibers 0.3, and TiO2 or Fe oxide pigments 20 weight parts is treated with 80-100 weight parts of a dispersion of vinyl versatate [26544-09-2] with a branched long chain monocarboxylic acid or 40-50 weight parts Elotex dispersion and slurried in water.

ST **mortar** coating thermal insulator  
IT Thermal insulators  
(coatings for, **mortar** containing synthetic fibers and vinyl polymers)  
IT **Mortar** "sprayable" ✓

- Portland cement  
- Me cellulose  
- Polyethylene fibers